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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/629,660	08/01/2000	Tian-Quey Lee	3094/1H486US1	7603

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07/30/2003

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Alexandria, VA 22314

EXAMINER

NGUYEN, JENNIFER T

ART UNIT	PAPER NUMBER
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2674

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DATE MAILED: 07/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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**Office Action Summary**

Application No.

09/629,660

Applicant(s)

LEE, TIAN-QUEY

Examiner

Jennifer T Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 August 2000.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. This Office Action is responsive to Amendment filed on 5/21/2003.

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3-6, 8-11, and 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeMond et al. (U.S. Patent No. 5,214,419) in view of Deckys et al. (U.S. Patent No. 5,600,766).

Regarding claims 1, 6, and 11, referring to Fig. 3, DeMond teaches an electronic projector adaptable to an image source device (140) for projecting video images from said image source device (140) on a screen (178) via a LCD panel display, comprising: means (146) for receiving video signals from said image source device (140); buffer means (150) coupled to said receiving means (146) for temporarily saving said video signals; a non-volatile memory (164) coupled to said buffer means (150) for saving a selected static image of said video signals; a frame buffer (160) connected to said non-volatile memory (164) for speeding up the display of said video signals ; a central process unit (154) for determining a display configuration; and means (not shown) for selecting said video signals output of said buffer means (150) in response to a determined display configuration of said central process unit (154) (from col. 1, line 64 to col. 2, line 2, col. 9, lines 36-68, col. 10, lines 1-57).

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DeMond differs from claims 1, 6, and 11 in that he does not specifically teach the static image of said video signals is a user-defined logo. However, referring to Figs. 1 and 2, Deckys teaches static image of said video signals is a user-defined logo (col. 4, lines 13-36). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the user defined logo as taught by Deckys in the system of DeMond in order to provide a system with a variety of selections of signs for different consumers such as companies or private individuals.

Regarding claims 3, 10, and 13, DeMond further teaches displaying configuration is selectable from a user-defined logo configuration, a predetermined logo configuration, and a background color configuration (col. 10, lines 30-32 of DeMond).

Regarding claims 4 and 14, DeMond further teaches non-volatile memory (164) is a flash Read-Only-Memory.

Regarding claims 5 and 15, DeMond further teaches frame buffer (160) is a Synchronous Dynamic Random Access Memory (DRAM) (col. 10, lines 14-24 of DeMond).

Regarding claim 8, DeMond further teaches image is provided by using a graphics application program (col. 9, lines 47-50 of DeMond).

Regarding claim 9, DeMond further teaches image is provided by selecting a static image from a series of video images of an image source device (col. 9, lines 47-50 of DeMond).

4. Claims 2, 7, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeMond et al. (U.S. Patent No. 5,214,419) in view of Deckys et al. (U.S. Patent No. 5,600,766). and further in view of Klingman (U.S. Patent No. 5,337,403).

Regarding claims 2, 7, and 12, the combination of DeMond and Deckys differs from claims 2, 7, and 12 in that he does not specifically teach image-mapping means for performing color mapping operations. However, referring to Fig. 4, Klingman teaches an image-mapping means (36) for performing color mapping operations (col. 4, lines 10-23 and lines 60-66). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the image-mapping means as taught by Klingman in the system of the combination of DeMond and Deckys in order to reduce the memory size of memory by the resolutions of the image have been compressed.

5. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

6. The prior art made of record and not relied upon is considered to pertinent applicant's disclosure.

Downs (U.S. Patent No. 5,689,800) teaches video feedback for reducing data rate or increasing quality in a video processing system.

Wu et al. (U.S. Patent No. 6,573,945) teaches logo insertion on a HDTV encoder.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jennifer T. Nguyen** whose telephone number is **703-305-3225**. The examiner can normally be reached on Mon-Fri from 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reach at **703-305-4709**.

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**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, DC. 20231

**Or faxed to: 703-872-9314 (for Technology Center 2600 only)**

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, sixth-floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is 703-306-0377.

Jennifer T. Nguyen  
Patent Examiner  
Art Unit 2674

  
**XIAO WU**  
**PRIMARY EXAMINER**